

WHAT IS CLAIMED IS:

1. An information providing apparatus configured as having:

5 image display means mounted on a mobile object, presenting an image display of information which assists travel of the mobile object;

10 vibration detecting means detecting vibration of not smaller than a predetermined level produced on said image display means, and sending a detection output signal; and

15 operation control means modifying a display mode of said information presented as an image display by said image display means, when vibration of not smaller than said predetermined level produced on said image display means sustains over a duration of time not shorter than a predetermined duration, and when output of said detection output signal from said vibration detecting means sustains over a duration of time not shorter than a 20 predetermined duration.

2. The information providing apparatus as claimed in Claim 1, wherein said operation control means takes part in a control of increasing luminance of a display screen on which said information is presented as an image display in said image display means, when output of the detection output signal from said vibration detecting means sustains over a duration of time not shorter than a predetermined duration.

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3. The information providing apparatus as claimed

in Claim 1, wherein said operation control means takes part in a control of enlarging images corresponded to mark information and character information contained in said information presented as an image display by said 5 image display means, when output of the detection output signal from said vibration detecting means sustains over a duration of time not shorter than a predetermined duration.

10       4. The information providing apparatus as claimed in Claim 1, wherein said operation control means takes part in a control of increasing difference in contrast between an image of high importance and an image of low importance contained in said information presented as an 15 image display by said image display means, when output of the detection output signal from said vibration detecting means sustains over a duration of time not shorter than a predetermined duration.

20       5. The information providing apparatus as claimed in Claim 1, wherein:

          said mobile object is a vehicle, and  
          said image display means is configured so as to present image display of a road map image having a 25 current position of said vehicle and an image expressing a travel route superposed therein, as said information.

30       6. A method of providing information allowing image display of information which assists travel of a mobile object on an image display section of an information providing apparatus mounted on said mobile

object, comprising:

a vibration detecting step detecting vibration not smaller than a predetermined level produced on said image display section, and sending a detection output signal;

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an operation control section step modifying a display mode of said information presented as an image display by said image display section, when vibration of not smaller than a predetermined level produced on said 10 image display section sustains over a duration of time not shorter than a predetermined duration, and when output of said detection output signal from said vibration detecting means sustains over a duration of time not shorter than a predetermined duration.